

Converting Colors

$Y_{xy}(36.2580, 0.2812, 0.5234)$

Have a look what the booklet for
Yxy(36.2580, 0.2812, 0.5234)
contains.

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Color

Yxy(36.2583, 0.2812, 0.5232)

Conversions

Conversions Part 1

Format	Color
Hex	13BB50
RGB	19, 187, 80
RGB Percent	7%, 73%, 31%
CMY	0.9251, 0.2667, 0.6864
CMYK	0.90, 0.00, 0.57, 0.27
HSL	142°, 81%, 40%
HSV	142°, 90%, 73%
XYZ	19.4875, 36.2583, 13.5553
YIQ	124.5700, -65.7810, -68.8930

Conversions

Conversions Part 2

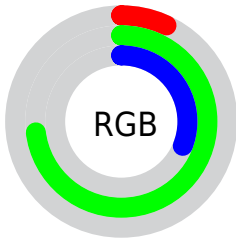
Format	Color
RYB	19, 142, 187
Decimal	1293136
CIELab	66.72, -61.71, 42.75
CIELCh	67, 75.068, 145.285
Yxy	36.2583, 0.2812, 0.5232
Android (android.graphics.Color)	4279483216 (0xFF13BB50)
YUV	124.5700, -21.9730, -92.5849
Hunter-Lab	60.2149, -47.6077, 28.8033

Details

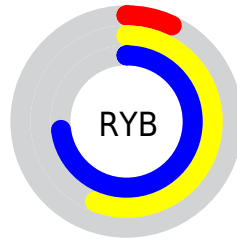
The Yxy color **36.2583, 0.2812, 0.5232** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **12.5440, 0.4228, 0.2164**, and the grayscale version is **20.4581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1340, 0.2909, 0.4802**, and **16.5864, 0.2927, 0.5739** is the 20% darker color. If you saturate the color by 10%, you get **35.9621, 0.2843, 0.5432**, and if you desaturate by 10%, it is **36.7207, 0.2795, 0.5008**.

Distribution



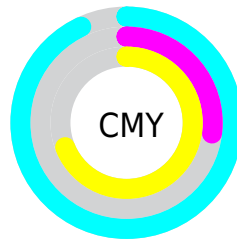
- Red (7%)
- Green (73%)
- Blue (31%)



- Red (7%)
- Yellow (56%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (57%)
- Black (27%)




- Cyan (93%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2583, 0.2812, 0.5232 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.2583, 0.2812, 0.5232 by changing the saturation by 10% instead.


 36.2583, 0.2812,
0.5232


 36.2583, 0.2812,
0.5232

330.0881, 0.3033,
0.4137


 24.6338, 0.2729,
0.5543


 69.4306, 0.2911,
0.4805


 15.8044, 0.2604,
0.5961


 91.7471, 0.2942,
0.4653

 9.3858, 0.2403,
0.6539


 118.3963, 0.2967,
0.4528

 4.9937, 0.2107,
0.7543

 149.7628, 0.2986,
0.4424

 2.2436, 0.1012,
0.8988

 186.2308, 0.3001,
0.4336

 0.7436, 0.0000,
1.0000

228.1847, 0.3014,

 0.0000, 0.0000,

0.4260

0.0000

276.0091, 0.3024,
0.4194

■ 36.2583, 0.2812,
0.5232

■ 36.2583, 0.2812,
0.5232

■ 35.9621, 0.2843,
0.5432

■ 36.7207, 0.2795,
0.5008

■ 35.9564, 0.2843,
0.5436

■ 37.3926, 0.2795,
0.4768

■ 38.3004, 0.2813,
0.4522

■ 39.4656, 0.2845,
0.4278

■ 40.9070, 0.2890,
0.4045

■ 42.6417, 0.2944,
0.3826

■ 44.6853, 0.3003,
0.3627

■ 47.0524, 0.3065,
0.3447

■ 49.7564, 0.3129,
0.3287

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.2583, 0.3825, 0.5339



36.2583, 0.2812, 0.5232



36.2583, 0.1936, 0.4128

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.2583, 0.2812, 0.5232



36.2583, 0.1566, 0.1736



36.2583, 0.5154, 0.3215

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.2583, 0.2812, 0.5232



12.5440, 0.4228, 0.2164

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.2583, 0.4294, 0.2551



36.2583, 0.2812, 0.5232



36.2583, 0.2147, 0.1745

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.2583, 0.2812, 0.5232



36.2583, 0.1336, 0.2062



36.2583, 0.3115, 0.2030



36.2583, 0.5269, 0.3947

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.2583, 0.2812, 0.5232



36.2583, 0.1557, 0.3237



36.2583, 0.3115, 0.2030



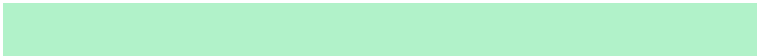
36.2583, 0.4940, 0.2984

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.2598, 0.2812, 0.5232



77.1780, 0.2957, 0.3778



40.1965, 0.3626, 0.5433



16.7382, 0.2938, 0.3849



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.2598, 0.2812, 0.5232



64.3549, 0.2851, 0.5464



38.2831, 0.2383, 0.3716



10.7053, 0.3068, 0.3440



24.7864, 0.2837, 0.5413



0.9836, 0.2696, 0.4906

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.5440, 0.4228, 0.2164



21.2687, 0.4413, 0.2205



11.2183, 0.5908, 0.3128



9.6360, 0.3192, 0.3145



8.2146, 0.4372, 0.2182



0.3339, 0.4026, 0.1991

Previews

White Background



This preview shows how the Yxy color 36.2583, 0.2812, 0.5232 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.2583, 0.2812, 0.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2583, 0.2812, 0.5232

Background



This preview shows how black text looks on a background with the Yxy color 36.2583, 0.2812, 0.5232.



This preview shows how white text looks on a background with the Yxy color 36.2583, 0.2812, 0.5232.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.2583, 0.2812, 0.5232

Protanopia

35.5413, 0.4098, 0.4481

Deuteranopia

35.3741, 0.4213, 0.4115



Tritanopia

36.2642, 0.2345, 0.3067

Trichromacy



Original Color

36.2583, 0.2812, 0.5232



Protanomaly

33.3224, 0.3425, 0.4850



Deuteranomaly

32.4877, 0.3476, 0.4581



Tritanomaly

35.6567, 0.2501, 0.3811

Monochromacy



Original Color

36.2583, 0.2812, 0.5232



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.2624, 0.2879, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2583, 0.2812, 0.5232 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(19, 187, 80)` looks like.

```
.text, #text, p{  
    color:rgb(19, 187, 80)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(19, 187, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 187, 80) }
```

Border

The CSS property to change the border of an element to Yxy 36.2583, 0.2812, 0.5232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 187, 80) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(19, 187, 80) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(19, 187, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 187, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 187, 80);  
box-shadow:4px 4px 4px 4px rgb(19, 187,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2583, 0.2812, 0.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 187, 80) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(19, 187,  
80) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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